

For Research Use Only

# PE Anti-Mouse CD40 (1C10)

Catalog Number: PE-65062



## Basic Information

<b>Catalog Number:</b> PE-65062	<b>GenBank Accession Number:</b> BC029254	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.1 mg/ml	<b>GeneID (NCBI):</b> 21939	<b>CloneNo.:</b> 1C10
<b>Source:</b> Rat	<b>Full Name:</b> CD40 antigen	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
<b>Isotype:</b> IgG2a, kappa		

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Mouse

## Background Information

CD40, also named as TNFRSF5 and Bp50, is a type I transmembrane protein that belongs to the tumor necrosis factor-R (TNF-R) family (PMID: 10647992). CD40 is expressed on B cells, dendritic cells (DCs), monocytes, platelets, and macrophages as well as by non-hematopoietic cells such as myofibroblasts, fibroblasts, epithelial, and endothelial cells (PMID: 19426221). It is a receptor for TNFSF5/CD40LG. CD40L/CD40 interactions are essential for immunoglobulin (Ig) isotype switching, germinal center formation and the development of B cell memory (PMID: 7516405; 11675497).

## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and a stabilizer.

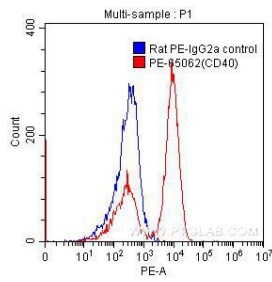
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## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with 0.20 ug PE-Anti-Mouse CD40 (PE-65062, clone 1C10) (red) or 0.20 ug PE-rat IgG2a isotype control (blue). Cells were not fixed.